APPENDIX

The Precision of Sequential Extraction Method

The precision can be expressed as the standard deviation (SD) and the relative standard deviation (RSD). The smaller the value of the relative standard deviation provides the greater precision of an analysis. The standard deviation and the relative standard deviation are defined by equation A1 and A2 respectively [63].

SD =
$$\frac{\sqrt{\sum (Xi - \overline{X})^2}}{n-1}$$
(A1)

.... (A2)

$$\delta RSD = \frac{SD}{\overline{X}} \times 100$$

where, Xi = individual value of data

0

 $\overline{\mathbf{X}}$ = mean of the data

n = number of extractions

In this work, the repeatability of the optimized sequential extraction method was

investigated using repeatable extraction for six replicates for all fractions.

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